CLAIMS

I/We claim:

1. An inflatable cellular cushioning material having an air inlet pipe path to be inflated by an inflating device through the use of an air inlet pipe, the inflatable cushioning material comprising at least two layers of plastic pre-welded in such a manner so as to form a substantially diagonally oriented lines forming sleeves or cell structure along the longitudinal axis of the inflatable cellular cushioning material and a substantially longitudinal welded lines along the path of the air inlet pipe, the longitudinal welded lines have non-welded longitudinal line areas to allow for the inflating of the sleeves or sell structure, whereby the longitudinal welded lines substantially reduce the non-inflated areas along the path of the air inlet pipe.
2. The inflatable cellular cushioning material of claim 1 wherein the longitudinal welded lines are pre-welded before the plastic sheet is inflated by the inflating device.
3. The inflatable cellular cushioning material of claim 1 wherein the longitudinal welded lines are welded after the sleeves have been inflated.
4. The inflatable cellular cushioning material of claims 2 or 3, wherein the longitudinal welded lines are welded using an L shaped plastic sealing bars having a longitudinal and a horizontal arms.
5. The inflatable cellular cushioning material of claim 4 wherein the horizontal arm is having the length of the distance between a first and a second longitudinal welding performed by the L shaped plastic sealing.
6. The inflatable cellular cushioning material of claim 1 wherein the inflating device is an air blower.

7. The inflatable cellular cushioning material of claim 1 wherein each one of the two layers of plastic is made of one or more layers of plastic.
8. The inflatable cellular cushioning material of claim 1 wherein plastic is a polymer based material.
9. The inflatable cellular cushioning material of claim 1 wherein the diagonally oriented lines having an obtuse angle in respect of the longitudinal welds.
10. The inflatable cellular cushioning material of claim 1 wherein the diagonally oriented lines having an acute angle in respect of the longitudinal welds.
11. The inflatable cellular cushioning material of claim 1 wherein the horizontal weld is applied about every 1 to 20 centimeter along the longitudinal axis of the plastic sheet.
12. The inflatable cellular cushioning material of claim 1 wherein the non-welded areas are located about every 5 to 30 centimeter along the longitudinal axis of the inflatable cellular cushioning material.
13. The inflatable cellular cushioning material of claim 1 wherein the non-welded areas measure about 0.3 to 3 centimeters.